Date: Sat, 2 Jan 93 17:36:01 PST

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V93 #7

To: Info-Hams

Info-Hams Digest Sat, 2 Jan 93 Volume 93 : Issue 7

Today's Topics:

430mhz band under th (2 msgs)
Hot Rigs, was: Radio Robbery
VK2WI Weekly News, 3rd January 1993
What's wrong with my Diamond 2m/440 antenna???

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 3 Jan 1993 00:55:29 GMT

From: usc!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU

Subject: 430mhz band under th

To: info-hams@ucsd.edu

In article <kPJqwB2w164w@ham.almanac.bc.ca> emd@ham.almanac.bc.ca writes:
>

>There's no excuse for not knowing what part of the band in your area is >used for repeater inputs, and as far as I'm concerned, operating simplex >on a repeater input is nothing short of MALICIOUS INTERFERENCE.

Then it's a good thing you're not making the rules. Mailcious is intended to mean INTENTIONAL, and I did not read anything about intentionally using a repeater input in Bill's post. In fact, it seemed like he was making a case for the situation where one might unknowingly be transmitting on a repeater's input.

Would be nice if I could arbitrarily describe my neighbours objectional but entirely legal activites as illegal in order to exact retribution and maintain

absolute control of the neighbourhood. I'd kind of like to use his driveway to park a few extra cars on....

-grl.

Date: Sun, 3 Jan 1993 00:37:40 GMT

From: spool.mu.edu!agate!iat.holonet.net!bwilkins@uunet.uu.net

Subject: 430mhz band under th

To: info-hams@ucsd.edu

rcanders@nyx.cs.du.edu (Rod Anderson) writes:

: I don't know what gives a repeater frequency coordinator the right to : disregard the accepted national band plan and assign repeaters to : simplex frequencies. After all they only speak for the repeater : owners not the average users. Just think of how few closed repeaters : there would be if all hams chose the repeater coordinators.

:

: Rod Anderson NONZO on ao-16 rcanders@nyx.cs.du.edu

:

If you were in northern california you would be able to sit on the board od directors of the local coordinating body. You would have a vote and could formulate policy as to repeater coordination. You would also assist in problem resolution between repeater groups. Northern Amateur Relay Council of California has recently had three of ten board members elected from the ranks of users. These gentlemen are quite perceptive of the problems of the repeater owners... as they are the whole reason to put up a repeater...to serve the users.

If you were to examin your local policy and proceedure for coordination of repeaters and auxilliary frequencies you would be surprised to see that it is usually the users of the spectrum that are given the first consideration.

Local band plans allways prevail as they are formulated by local conditions and are agreed on by a vote of the coordinating councils membership. National band plans serve as a general guideline for formulating local plans. In california and other metro areas the 440 sub-band starts at 440.000 not 442.000 as in the national plan. This allows 80 more 440 repeater pairs in our area. The 220 band plan is now befor the commission because in southern california it is now compleatly repeaters with no spectrum for ssb moonbounce etc..yeh they got 10khz. Most areas of the country provide the first 150 khz to these operations. The six meter band plan is still in formulation and no one can agree as to

input output spacing. In california we have agreed to 500 khz spacing. There are plans of 1 MHz 1.6 MHz 600 khz from different parts of the country as the needs of the area are different. One could say it is far cheaper to do a wide spaced 6meter repeater .. but fewer repeaters can operate in the band. 2meters has several different regional band plans.

Does your local coordinating body allow you to directly partisipate ?

Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area

bwilkins@holonet.net packet n6fri @ w6pw.#nocal.ca.us

Date: Sat, 2 Jan 93 20:11:16 GMT

From: munnari.oz.au!metro!ipso!runxtsa!richardm@network.UCSD.EDU

Subject: Hot Rigs, was: Radio Robbery

To: info-hams@ucsd.edu

In article <1993Jan2.082423.27045@phx.mcd.mot.com> schuch@phx.mcd.mot.com (John Schuch) writes:

>I've always thought there should be some clearing house for the serial >numbers of stolen equipment. We all look for great deals on used >equipment and I wonder how many of us become the unwitting accomplice >of the bad guys.

The Wireless Institute of Australia maintains a Stolen Equipment Register just for this purpose (OK, no help in this particular case, but maybe the ARRL would consider doing the same.)

I'd hope that genuine Amateurs purchasing equipment would use their common sense, and establish how much the seller knows about the equipment, etc. More than likely, this will be sold to some jerk who thinks its a CB.. :- (

>I would think a system you could call and enter the serial number >through a touch-tone phone would not be that complicated. It >could even be tied into packet and/or the internet. Good idea!>

73 de Richard VK2SKY

Richard P. Murnane Internet: richardm@runx.oz.au UUCP: uunet!runx.oz.au!richardm

Packet: VK2SKY @ VK2RWI.NSW.AUS.OC

"Making it up? Making it up? Why should I want to make anything up? Life's bad enough without inventing more of it."

- Marvin the Paranoid Android

Date: Sat, 2 Jan 93 20:20:28 GMT

From: munnari.oz.au!metro!ipso!runxtsa!richardm@network.UCSD.EDU

Subject: VK2WI Weekly News, 3rd January 1993

To: info-hams@ucsd.edu

[A Happy New Year to all our readers! - Richard VK2SKY]

VK2WI Broadcast, 3rd January, 1993. Copyright 1993 WIA (NSW) & contributors. Material may be used elsewhere if the source is acknowledged.

VK2WI WEEKLY NEWS BULLETIN

for

3rd January, 1993

Our 23 cm repeater is currently out of service for routine mainatenance. We'll advise you when it's back on-line.

THE MAJOR NEWS ITEM THIS WEEK:

Silent Key
VK2WI Holiday Transmission schedule
Special Event Stations
A DX Review of 1992

plus...

How to Use the VK2 Divisional Voice Mailbox Have You Heard the News?

SILENT KEY

We regret to start the year with news of a silent key. Bob VK2CAN has advised us of the passing of John Adkins VK2ZBA on Christmas Day last month. John was well known in the Sydney area among users of the various 2 metre band repeaters. We extend our sympathy to John's family and friends in Amateur Radio.

VK2WI HOLIDAY TRANSMISSION SCHEDULE

The regular live broadcasts from VK2WI resume next Sunday. 10th January 1993.

Even though the divisional office is closed for the holidays, you can still submit items for the broadcast by fax, packet radio or post, but if you send items by post, please clearly mark the envelope for the attention of the broadcast officer.

WIA MEMBERSHIP PROMOTION CONTINUES

You didn't get that new rig you wanted for Christmas? Never mind, there's still hope, bacause if you join the WIA, or renew your membership, before the end of February, you could win a new mobile or hand-held transceiver.

If you've been thinking about joining the WIA, this would be a good time to do it. All grades of membership are eligible to win, and you'll be helping to secure the future of Amateur Radio in Australia.

If you'd like more information, you can contact the divisional office when it reopens on the 11th January 1993.

This promotion has been organised by Roger Harrison VK2ZTB from the newly-formed Advertising and Publicity Section of the NSW Division of the WIA.

AMATEUR CLASSES STARTING SOON

If you're a Shortwave Listener, and have been thinking about New Year's Resolutions, here's one for you: why not become a licensed Amateur?

The New South Wales Division will begin Amateur Radio

classes on the 1st February 1993. If you'd like to get yourself an Amateur Radio license, if you'd like to move to a higher grade of license, or if you'd just like to learn more about Amateur Radio, come join the class at Parramatta.

Many Amateur Radio clubs also run their own classes and examinations. The staff at the divisional office will be happy to tell you the location of the affiliated club nearest you.

But, if you're too far from your nearest club, or if you're unable to travel, you can still earn your ticket with the help of Australia Post. The WIA runs a correspondence course for all Amateur certificates, and you can progress through the course at a pace that suits you.

For details of this and other WIA services, please write to

The Wireless Institute of Australia,
PO Box 1066,
Paramatta 2124
Australia

or phone the divisional office when it reopens on the 11th January; the number is (02) 689-2417.

DIVISIONAL LIBRARY NEEDS HANDBOOK

Our Divisional Librarian, Aub VK2AXT, is looking for a handbook and/or operating instructions for a Collins S-line Linear, model 30S1. If you have a handbook for this equipment, the Divisional library would appreciate the donation or loan of the manual.

The Division is building up a good collection of handbooks, so that members can avail themselves of this valuable reference material. If you have any surplus manuals or handbooks for any type of radio equipment, the divisional library can offer them a good home.

-- Aub VK2AXT, VK2 Divisional Librarian

SPECIAL EVENT STATIONS

VI150SYD finally ceased operation at 2355Z on the 31st December, having notched up over 500 contacts in its last week of operation. One of the last contacts made was on 20 metres, with a new Special Event Station, VI6CKB, in Kalgoorlie, which will be active throughout 1993.

[If I may digress for a moment. At about 1840Z on the 31 Dec 92, I also worked Steve at W1AW, who sounded like he had serious doubts about the validity of the callsign, though he was too polite to ask! Would one of the ARRL fellows please tell him I was legit? :-) Ten metres seemed to die about 15 minutes from the end, so I listened on 15m, heard a few stations, called CQ for 10 minutes without reply, and was about to give up when I tuned around and heard a pile-up with Victor UDOEX on Sakhalin Island. Got in easily (with 100W from my FT757 into a TH6 - oh, what a feeling!), so it was a nice one to finish off with. Mind you, my 1993 Oz callbook lists UDO as Azerbaijan, so these guys were far from home without a portable prefix.

At our end, I blooded a couple of Limited calls (== Codeless Techs?) from my radio club at times during the week. They were used to operating only on 2m repeaters, so it took them a while to get into the modus operandi. Sorry if this annoyed any of you in the pile-ups! - VK2SKY]

We'll have more details of VI6CKB in a later bulletin.

Many thanks to all of you who operated and contacted VI150SYD throughout 1992.

To Mark the closing of the Adelaide Coastal Radio Station VIA on 31st January, VK5WC and VK5ZRH, in conjunction with the South Coast Amateur Radio Club, will be operating a special event station at the current site of VIA at McLaren Vale, South Australia.

VIA was commissioned in Adelaide on October 1st, 1912. Its original callsign was POA (Post Office Adelaide). In 1947 OTC took over control of the station which at that time was running from Rosewater in Adelaide. 1963 saw the station relocate to its final home of McLaren Vale south of Adelaide in the Southern Vales wines district.

To commemorate the years of service VIA gave to coastal shipping around Australia, the special event callsign

VI5VIA will be activated between January 29th and February 1st 1993.

The station will be operational on all HF bands and some VHF/UHF operation will also take place. Special QSL cards will be made available to mark the event.

VI5VIA will be active on the following frequencies +/- QRM:

1830 3590 7080 14295 21180 21275 28470 KHz

Operation will be on phone, with some CW, possibly also on the WARC bands of 10, 18, and 24 MHz.

At this stage, the station plans to run 24 hours a day during the event.

VI5VIA is also planning to operate on VHF and UHF; details are available on the packet network.

QSL details are still being organised but will probably be via the VK5 QSL Bureau.

-- Grant VK5ZWI @ VK5TTY in Adelaide South Coast ARC Publicity officer

A DX REVIEW OF 1992

1992 saw many changes in the world of Amateur Radio DX, with several new countries and callsign prefixes coming into existence.

With well over a million Amateurs now, Japan used up its JA to JZ prefixes, and started issuing callsigns beginning with 7J, 7K, and 7L.

Britain introduced its Novice license, issuing "2"-series prefixes for these new Amateurs.

The political upheavals in Yugoslavia and the former Soviet Union brought about major changes for Amateurs: three new countries have been "born" (re-born?) out of the old Yugoslavia, namely Slovenia (S5), Croatia (9A), and Bosnia-Herzegovina (4N2). A fourth republic, Macedonia (4N5), is still being considered.

The turmoil in Yugoslavia has not kept Amateurs off air, but we nonetheless hope that peace will return to the region during 1993.

The former Soviet Baltic states: Estonia (ES), Latvia (YL), and Lithuania (LY) are now active. A number of other callsign prefixes have come out of the old Soviet Union, such as Georgia (4J4), but they have not been officially promulgated.

The reunification of East and West Germany saw most of the Y2 to Y9 East German callsigns disappear, to be replaced by DL prefixes.

China began issuing BZ callsigns, to allow its citizens the use of Amateur Radio, for the first time since the "Cultural Revolution".

Overall 1992 was a dramatic year, both in world politics and Amateur Radio. Let's hope that in 1993, Amateur Radio will be a vehicle for promoting peace and understanding throughout the world.

-- Jim Linton VK3PC (with additional comments by Richard VK2SKY)

WICEN NEWS

Things have been quiet on the emergency services front lately, though we can report that WICEN is currently seeking a new State Coordinator, following the recent resignation of Phil Greentree VK2IW. Phil has done excellent work in promoting the resurgence of interest in WICEN in New South Wales, and it will be no easy task to step into his shoes. If you would like to give some of your time to promote Amateur Radio's service to the community, please contact WICEN by writing to PO Box 123, St Leonards 2065.

You can also call into the WICEN HF net on Tuesday evenings, at 8:30pm local time, on 3615 kHz LSB, or in the Sydney metro area, the Thursday night VHF net on the Chatswood repeater 147.150 MHz, starting at 9:30pm

IPS WEEKLY REPORT

25 December - 31 December 1992

[No IPS Weekly summary was received at the Divisional office this week - I have extracted the following from the daily IPS reports for the last week. Any mistakes, blame me! - VK2SKY]

Date	25	26	27	28	29	30	31	
10cm flux	136	131	125	127	125	126	130	
A index	03	03	05	29	42	10	(12	est.)
T index	100	120	120	130	60	70	40	

Summary of activity

Solar activity was low over the period, very low on the 27th, and moderate on the 31st. No flares were reported.

The geomagnetic field at Learmonth (WA) was mostly quiet or quiet to unsettled during the period, with minor storm levels after 2000 UTC on the 27th; it was quiet to active on the 28th, and unsettled to active on the 29th.

The disappearence of two filaments on the 22nd and 23rd of December might be the cause of predicted disturbances.

MUFs at Sydney were near normal or enhanced by up to 40% during the period, and reduced to near normal after 1700 UTC on the 30th.

Forecast for the next week (1 - 7 January)

Solar: Low

Geomagnetic: Generally quiet to unsettled, with possible

brief brief periods of active levels.

Ionospheric: MUFs enhanced by 20-30%

-- Courtesy of IPS Radio and Space Services

WIA recruitment promotion (win a rig!) until 28th February VI6CKB Special Event Station active . . . throughout 1993

CLUB NEWS

The GLADESVILLE AMATEUR RADIO CLUB resumes test transmissions on TV channel 16+, which is 444.25 MHz vision and 449.75 MHz sound.

Modifications have been carried out on the transmitter and tests will commence from today (Sunday), and then on Wednesday, Saturday and Sunday evenings while TV channel 35 is on air.

The club would appreciate signal reports via 2 metres on 146.925 MHz, or the club telephone (02) 427-0530 after hours.

HOW TO USE THE VK2 DIVISIONAL VOICE MAILBOX

[The following information was not part of the regular news bulletin, but is provided here for the benefit of those of you who might not have regular access to the packet system, and those who would like to leave comments on the news, but are unable to do so via radio - VK2SKY]

The Divisional voice mailbox carries highlights of the WIA weekly broadcast, and is usually updated following the Sunday morning broadcast

You can access the voice mailbox by dilling (02) 552-5188.

After listening, you can either hang up or leave a message by speaking after the invitation. If you have a "DTMF" telephone or some other sender, more facilities are available by pressing the "#" key.

The keys on your DTMF telephone perform the following functions:

- "1" Rewind message by 10 seconds. Pressing "1" "1" in quick succession rewinds to the start.
- "2" Stop message playback: press "2" again to restart.
- "3" Fast forward: advances the message by 10 seconds.

 Pressing "3" "3" in succession skips to the the end.

 This will also happen if you press the "hash" key.
- "4" Reduce playback speed.
- "5" Tell when the message was posted.
- "6" Increase playback speed.
- "7" Press this and nothing happens.
- "8" Set volume control to normal.
- "9" Increase the playback volume.
- "#" (hash) Skip to the end of the message.

HAVE YOU HEARD THE NEWS?

It's the intention of the New South Wales Division of the WIA to provide a comprehensive news service for members throughout the state. To this end, the WIA provides a weekly news broadcast on most HF Amateur bands, as well as frequencies in the VHF and UHF regions. Of course, the latter don't travel very far, so extensive use is made of automatic and manual relays to regional repeaters, so that

those of you who don't have access to HF can still keep up to date with the latest events in the world of Amateur Radio.

However, the broadcast is not relayed to ALL repeaters in New South Wales, either for technical reasons or because of decisions made by the custodians of those repeaters, (for example, perhaps because they see no demand for such a service in their area).

If you are living in an area which does not currently receive the WIA weekly news bulletin, but you would like to avail of this service, please let us know at the divisional office, either by writing to PO Box 1066, Parramatta 2124, or by sending packet mail to VK2WI @ VK2RWI.NSW.AUS.OC

Please indicate the area where you live, the name of your local radio club, and the callsign/frequency of the repeater on which you wish to hear the broadcast.

73 de Richard VK2SKY, VK2 Divisional Broadcast Coordinator

ADMINISTRIVIA

Live news bulletins, complete with callbacks, will resume next Sunday, 10th January 1993.

The divisional office will reopen next Monday, the 11th January, but you can still send in items for the weekly broadcast by fax, post, or packet radio; if submitting items by post, please mark the envelope for the attention of the broadcast officer. You can also leave mesages on the office answering machine: the number is (02) 689-2417.

Items for inclusion in this bulletin may be sent by mail to Post Office Box 1066, Parramatta 2124; by fax on (02) 633-1525, or by packet radio to "VK2WI at VK2RWI". News highlights are also available on the divisional voice mailbox on (02) 552-5188, and you can leave a message afterwards if you wish.

VK2WI Broadcast, 3rd January, 1993. Copyright 1993 WIA (NSW) & contributors. Material may be used elsewhere if the source is acknowledged.

- -

Richard P. Murnane

Internet: richardm@runx.oz.au

UUCP: uunet!runx.oz.au!richardm

Packet: VK2SKY @ VK2RWI.NSW.AUS.OC

"Making it up? Making it up? Why should I want to make anything up? Life's bad enough without inventing more of it."

- Marvin the Paranoid Android

Date: Sun, 3 Jan 1993 00:05:38 GMT

From: usc!wupost!udel!gvls1!gvls1!rossi@network.UCSD.EDU Subject: What's wrong with my Diamond 2m/440 antenna???

To: info-hams@ucsd.edu

I have been using a Diamond SG-7900 2m/440 mobile antenna for the past 6 months. Suddenly during the past week it has "died" on 440.

It seems to be working fine on 2 meters but is acting like a dummy load on 440. All connections, coax, etc are fine. Using another antenna with the same mount/coax works fine. But, 440 repeaters that are full scale on my IC-24AT with the rubber duck are totally non-existent on the SG-7900.

On 440 with the SG-7900, the HT acts like there is no antenna connected. With other 440 antennas it is fine. The SG-7900 appears to be working OK on 2 meters. This one really has me confused.

Anyone ever see anything like this??

Pete Rossi - WA3NNA rossi@VFL.Paramax.COM

Paramax Systems Corporation - a Unisys Company Electronic Systems - Valley Forge Labs - Paoli, Pennsylvania

Date: Sun, 3 Jan 1993 00:35:15 GMT

From: usc!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU

To: info-hams@ucsd.edu

References <PHR.92Dec31212448@napa.telebit.com>, <C06ys7.5po@iat.holonet.net>, <PHR.93Jan1224845@napa.telebit.com>

Subject: Re: 430 mhz band under th (now private/closed repeaters)

In article <PHR.93Jan1224845@napa.telebit.com> phr@telebit.com (Paul Rubin)
writes:

>

>I am uncomfortable with the idea of using these bands with portable >equipment because of the additional microwave exposure.

Paul brings up a good point. I for one would like to get into 1.2 GHz more, but I am hesitant to use a u-wave transmitter in close proximity. I'm more likely to go mobile or base with it. Tolerances at 1.2 GHz are much tighter, making homebrew equipment harder to produce and "appliances" more expensive.

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-grl.
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Date: Sun, 3 Jan 1993 00:41:49 GMT

From: usc!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU

To: info-hams@ucsd.edu

References <C053IC.6H4@NeoSoft.com>, <1993Jan1.150034.23723@ke4zv.uucp>, <C08BID.8uJ@NeoSoft.com>

Subject: Re: 430 mhz band under th (now repeater costs)

In article <C08BID.8uJ@NeoSoft.com> jreese@NeoSoft.com (Jim Reese) writes:
>
>Horse-hockey! I might accept this if my system were less active than any
>open system in town...but it isn't.

In reading the arguments for closed systems that Jim and Brian Kantor are making, I am beginning to see that they are really 3-sigma guys (if not more). It sounds like they operate the kind of closed systems (high traffic, pushing the technical envelope, etc.) that most hams would have little argument with. The basic error in their arguments, I feel, is the assumption that all closed 440 MHz repeaters are like theirs. I can only speak for the LA area since that is where I live, but as many, many posts on this thread have pointed out, most closed 440 MHz repeaters here sit there inactive most of the time. Jim, you should accept this for most closed 440 MHz repeaters because they are far less active than the handful of open ones (again, LA area perspective).

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-grl.
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Date: Sun, 3 Jan 1993 01:10:10 GMT

From: elroy.jpl.nasa.gov!oak!laborde@ames.arpa

To: info-hams@ucsd.edu

References <8228@lib.tmc.edu>, <1992Dec30.114623.1@ttd.teradyne.com>,

```
<1993Jan02.061920.7115@ssc.com>borde
Subject: Re: 430mhz band under th
In article <1993Jan02.061920.7115@ssc.com> tad@ssc.com (Tad Cook) writes:
>Let me see if I have this straight (!)......
>I get my 440 MHz link set up, and get a coordinated frequency from
>the local coordination council. Everything works fine, until one
>day YOU show up and start transmitting there.
>And *I* have to turn off my gear??
>I don't think so!
Of course you don't HAVE to turn your gear off. Just don't whine about him
using your repeater.
-grl.
Date: Sun, 3 Jan 1993 00:57:47 GMT
From: swrinde!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU
To: info-hams@ucsd.edu
References <1992Dec30.055252.23627@ssc.com>, <1992Dec30.233653.11068@ke4zv.uucp>,
<1993Jan02.060703.6610@ssc.com>
Subject: Re: 430mhz band under th
In article <1993Jan02.060703.6610@ssc.com> tad@ssc.com (Tad Cook) writes:
>
>Jammer idiots in LA have tried to use this arguement to justify
>their antics on 2 meters and have lost every time.
The difference is that they are interfering with QSOs in progress. We are
discussing transmissions on the input of a repeater that is not in use, if
I am not mistaken?
-grl.
----
-----
Date: Sun, 3 Jan 1993 01:08:14 GMT
From: swrinde!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU
To: info-hams@ucsd.edu
```

References <1992Dec30.062020.24365@ssc.com>, <1992Dec30.234200.11309@ke4zv.uucp>, <1993Jan02.061145.6961@ssc.com> Subject: Re: 430mhz band under th In article <1993Jan02.061145.6961@ssc.com> tad@ssc.com (Tad Cook) writes: > Second, section (e) refers to >>*ancillary* functions of repeaters and the ability to limit access to >>those *ancillary* functions to certain user stations. This doesn't >>address closed repeaters where the *primary* function of the repeater >>is restricted. >> >You're confused. The ability of a licensee to limit access to >his station is NOT confined to ancillary functions. Of course he can limit access to the primary function, BY TURNING IT OFF! No one has argued with that, only that there is no legal reason to prevent someone from using repeater FREQUENCIES that are not otherwise in use with ACTIVE TRANSMISSIONS. Suppose hams A & B start a QSO on the output of repeater C. If repeater C subsequently starts to operate and interferes with the QSO, which is NOT USING THE REPEATER ITSELF, then it is the repeater (or its users) that are guilty of interference. Of course it would be rude and ignorant to use repeater frequencies for this, but since when does that have anything to do with law? When the "simplex" QSO (or whatever) is finished, and the repeater comes into use, then once again _it_ holds the channel. Are you reading the same posts I am? -grl. ----End of Info-Hams Digest V93 #7 ********